Message Text

PAGE 01 STATE 149150

42
ORIGIN SCI-06

INFO OCT-01 EUR-25 EA-11 ADP-00 NSC-10 NEA-10 COME-00

NSF-04 HEW-08 DOTE-00 INT-08 HUD-02 DODE-00 CEQ-02

EPA-04 EB-11 IO-13 CIAE-00 PM-07 INR-10 L-03 NSAE-00

PA-03 RSC-01 PRS-01 USIA-15 TRSE-00 SAJ-01 SS-15

FAA-00 SCEM-02 AEC-11 AID-20 CEA-02 FRB-02 OPIC-12

CIEP-02 LAB-06 SIL-01 OMB-01 /230 R

DRAFTED BY WH:FSMHODSOLL/SCI/AE:JBLOOM/CEQ:BRIORDAN
7/25/73
APPROVED BY EUR/RPM:ACFLOYD
EUR:JRENDAHL WH:JDAVIS
EUR/RPM:DAPEPPERS NEA/TUR:BHIRSHORN (INFO)
NEA/GRK:WSILVA (INFO) EUR/CE:GRUECKERT (INFO)
EUR/WE:GSHEINBAUM (INFO) EUR/NE:EFLEISHER (INFO)
EUR/SPP:TMARTIN (INFO) EUR/NE:CFLOYD (INFO)
EUR/CAN:ENEF (INFO) EUR/WE:CTMAGEE (INFO)
EUR/WE:CKJOHNSON (INFO) EUR/NE:JPOWENS (INFO)
SCI/EN:SBLACKISTON (SUBS) BUR/STDS:DR. BERG (SUBS)
BUR/STDS:DR. KREIDER (SUBS)
---------- 091352
R 301549Z JUL 73
FM SECSTATE WASHDC
TO ALL NATO CAPITALS
AMEMBASSY STOCKHOLM
INFO USMISSION EC BRUSSELS
USMISSION OECD PARIS
AMEMBASSY TOKYO

UNCLAS STATE 149150

E.O. 11652: N/A
TAGS: NATO, SENV, FR
SUBJECT: CCMS: ENERGY CONSERVATION PROJECT (FRANCE)
UNCLASSIFIED

PAGE 02 STATE 149150

1. SUMMARY: US CCMS ENERGY CONSERVATION TEAM MET
JULY 19 WITH OFFICIALS OF CENTRE SCIENTIQUE ET
TECHNIQUE DU BATIMENT (CSTB) INCLUDING CSTB DIRECTOR
G. BLACHERE, COMITE CONSULTATIF DE L'UTILISATION DE

L'ENERGIE, INSTITUT FRANCAIS DES COMBUSTIBLES ET
DE L'ENERGIE, AND ELECTRICITE DE FRANCE. BLACHERE
OF CSTB INDICATED GREAT INTEREST IN TECHNICAL
COOPERATION IN ENERGY CONSERVATION IN BUILDINGS AREA.
HE POINTED OUT THAT WHILE FRENCH CSTB WAS PROBABLY
WORLD'S LEADING TECHNICAL INSTITUTE IN THIS RESPECT
COOPERATION WAS ALWAYS USEFUL. CSTB BRIEFINGS WERE
TECHNICALLY OF HIGH QUALITY, AND CSTB LABORATORIES
WERE WELL EQUIPPED AND MODERN AND INCLUDED ANALOG
COMPUTER FOR SIMULATING HEAT FLOW IN FIVE ROOM HOUSE,
EXPERIMENTAL HEAT PUMP SYSTEM, CONTROLLED TEMPERATURE
AND HEAT FLOW ROOMS, AND NOVEL HEAT EXCHANGER FOR
ENERGY RECOVERY FROM EXHAUST AIR.

AFTERNOON MEETING WITH ENERGY UTILIZATION CONSULTING
COMMITTEE AND FRENCH INSTITUTE FOR FUELS AND ENERGY
WERE NOT PARTICULARLY PRODUCTIVE IN THAT COMMITTEE
AND INSTITUTE (LIKE GERMAN MINISTRY OF ECONOMICS)
FELT THAT HIGH PRICES OF ENERGY IN FRANCE BY THEM-
SELVES ENCOURAGED INDUSTRIAL DEVELOPMENT OF MOST
EFFICIENT ENERGY CONSERVATION TECHNIQUES IN BUILDINGS,
INDUSTRIAL PROCESSES AND TRANSPORTATION. GOF INTENDS
TO DEVELOP NUCLEAR ENERGY AS PRINCIPAL ENERGY SOURCE
SO THAT BY YEAR 2000 80 PERCENT OF ELECTRIC POWER
NEEDS WILL BE MET BY NUCLEAR POWER.

ELECTRICITE DE FRANCE OFFICIALS DESCRIBED FRENCH
ELECTRIC RATE STRUCTURE FOR RESIDENTIAL, COMMERICAL
AND INDUSTRIAL USE. RATE STRUCTURE, WHICH INCLUDES
SPECIAL OFF PEAK POWER RATES IN RESIDENTIAL BUILDINGS
AND FIVE CATEGORY INDUSTRIAL RATE SYSTEM ("TARIF VERT"),
HAS HAD EFFECT SINCE 1958 OF SIGNIFICANTLY LEVELING
OUT PEAK/OFF-PEAK POWER USAGE. END SUMMARY.

2. FOLLOWING US EXPLANATION OF PURPOSE OF VISIT,
BLACHERE INDICATED GREAT INTEREST IN COOPERATION
UNCLASSIFIED

PAGE 03 STATE 149150

IN ENERGY CONSERVATION AREA. HE IMPLIED THAT,
WHILE FRENCH TECHNOLOGY FOR REDUCING ENERGY CONSUMPTION
IN BUILDINGS WAS MORE ADVANCED THAN IN US, ONCE US
PROGRAM GOT UNDER WAY, COOPERATION COULD ALSO PROVE
BENEFICIAL TO FRANCE. BLACHERE STATED HE LOOKED
FORWARD TO RECEIVING DETAILED US PROPOSALS IN THIS
RESPECT.

3. US TEAM WAS BRIEFED BY FRENCH OFFICIALS ON PRINCIPLES
OF CSTB ENERGY CONSERVATION PROGRAM. RESULTS OF
R AND D ARE BEING APPLIED TO NEW CONSTRUCTION, WITH
LITTLE OR NO WORK ON MEASURES TO CONSERVE ENERGY IN
EXISTING BUILDINGS. EMPHASIS IS ON REDUCING COST OF
HEATING AND VENTILATING TO CONSUMER, RATHER THAN

BEING A NATIONAL EFFORT TO REDUCE ENERGY CONSUMPTION, ALTHOUGH RESULTS ARE RELATED, OF COURSE. ONE OFFICIAL DESCRIBED OBJECTIVE OF CSTB AS TRYING TO PROVIDE "COMFORT WITH ECONOMY" FOR FRENCH HOMES, SCHOOLS, ETC.

4. CENTRAL HEATING INTRODUCED INTO FRENCH HOMES ONLY 15 YEARS AGO. OIL HEATING IS MOST COMMON, AND THERE ARE NO NATURAL GAS SYSTEMS IN OPERATION. WITH OIL SHORTAGES EXPECTED, WORK IS JUST BEGINNING ON DESIGN OF ADVANCED ELECTRICAL HEATING SYSTEMS; ALTHOUGH SOME USAGE OF ELECTRICAL HEATING HAS BEGUN.

5. CSTB SCOPE IS SIMILAR TO THAT OF CENTRE FOR BUILDING TECHNOLOGY OF NATIONAL BUREAU OF STANDARDS. NBS OFFICIAL (WALT ROSSITER), WHO WAS PRESENT AT MEETING, IS CURRENTLY SPENDING ONE YEAR AT CSTB AS PART OF CSTB-NBS EXCHANGE PROGRAM. ACTIVITIES OF CSTB IN CONSERVATION OF ENERGY AS RELATED TO HEATING AND AIR CONDITIONING OF BUILDINGS INVOLVES SIX AREAS:

A. RESEARCH TO REDUCE THERMAL LOSSES THROUGH WALLS INCLUDING THERMAL CHARACTERISTICS OF INSULATING MATERIALS AND FINISHED WALLS AND REDUCTION OF HEAT LOSSES AT COLD BRIDGES.

B. RESEARCH TO REDUCE HEAT LOSSES DUE TO
UNCLASSIFIED

VENTILATION INCLUDING CONTROLLED VENTILATION AND USE OF HEAT EXCHANGERS.

C. RESEARCH TO IMPROVE HEATING EFFICIENCY AND RECOVER WASTE HEAT.

D. RESEARCH TO UTILIZE NEW PROCESS (E.G. HEAT PUMPS).

E. RESEARCH TO REDUCE AND EVEN CANCEL SUMMER AIR CONDITIONING COSTS INCLUDING UTILIZATION OF BUILDING INERTIA, ECONOMICAL CLIMATISATION BY HIGH VOLUME FORCED AIR FLOW, AND WATER EVAPORATION.

F. PUBLICATION OF TECHNICAL DOCUMENTS.

6. CSTB OFFICIALS NOTED THAT IMPROVED ELECTRIC HEATING FOR BUILDINGS WILL RESULT IN GREATER USE OF ELECTRICITY IN FRANCE AND THUS RESULT IN BETTER ENERGY SUPPLY BALANCE. TO INCREASE EFFICIENCY OF ELECTRIC HEATING OF BUILDINGS, AS RESULT OF CSTB RESEARCH, FRENCH USE STORAGE FURNACES AND ELECTRIC RESISTERS BURIED IN CONCRETE SLAB FLOORING. CSTB

NOTED THAT 15 CENTIMETER SLAB WITH GOOD INSULATION AND RESISTER WIRING WAS CHEAPEST WAY TO HEAT BUILDINGS IN FRANCE. CSTB ALSO EXPLAINED THAT IN RESIDENTIAL BUILDINGS EACH ROOM IS INDIVIDUALLY THERMOSTATICALLY CONTROLLED.

7. CSTB OFFICIALS NOTED THAT GOF THOUGHT IT MORE IMPORTANT TO DEVELOP ELECTRIC UTILITY INDUSTRY THAN TO CONSERVE OIL USED IN THERMALLY GENERATED PLANTS. ELECTRICITY NOW ACCOUNTS FOR LESS THAN ONE PERCENT OF THE BUILDING HEATING IN FRANCE; GOF WANTS TO RAISE THIS TO 5-10 PERCENT. FRENCH WOULD ALSO LIKE TO RAISE PRESENT AVERAGE INDOOR RESIDENTIAL TEMPERATURES FROM 20 DEGREES C TO 24 DEGREES C (WITH INDIVIDUAL ADJUSTMENTS IN DIFFERENT AREAS).

8. CSTB OFFICIALS NOTED THAT KEY TO MAKING ELECTRIC HEATING OF BUILDINGS MORE DESIRABLE IN FRANCE WAS TO UNCLASSIFIED

CONTROL LEAKAGES OF HEAT TO OUTSIDE. IF ADEQUATE CONTROL OF CONSTRUCTION COULD BE ESTABLISHED, CSTB OFFICIALS ESTIMATE THAT THEY COULD CUT ENERGY CONSUMPTION IN THIS RESPECT

<< END OF DOCUMENT >>

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Message Attributes

Automatic Decaptioning: X
Capture Date: 10 MAY 1999
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
Control Number: n/a
Copy: SINGLE
Draft Date: 30 JUL 1973
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1973STATE149150
Document Source: ADS
Document Unique ID: 00
Drafter: WH:FSMHODSOLL/SCI/AE:JBLOOM/CEQ:BRIORDAN
Enclosure: n/a
Executive Order: N/A
Errors: n/a
Film Number: n/a
From: STATE
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1973/newtext/t19730768/abqcemyh.tel
Line Count: 188
Locator: TEXT ON-LINE
Office: ORIGIN SCI
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 4
Previous Channel Indicators:
Previous Classification:
Previous Handling Restrictions: n/a
Reference: n/a
Review Action: RELEASED, APPROVED
Review Authority: izenbei0
Review Comment: n/a
Review Content Flags: ANOMALY
Review Date: 17 JAN 2002
Review Event:
Review Exemptions: n/a
Review History: RELEASED <17-Jan-2002 by phillir0>; APPROVED <13 MAR 2002 by izenbei0>
Review Markings:

Declassified/Released
US Department of State
EO Systematic Review
30 JUN 2005

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status:
Subject: CCMS: ENERGY CONSERVATION PROJECT (FRANCE)
TAGS: SENV, FR, NATO
To: ALL NATO CAPITALS
STOCKHOLM INFO EC BRUSSELS
OECD PARIS
TOKYO
Type: TE
Markings: Declassified/Released US Department of State EO Systematic Review 30 JUN 2005

Declassified/Released US Department of State EO Systematic Review 30 JUN 2005